



FIGURE 1

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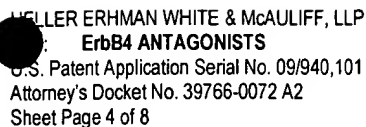


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FIGURE 2

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FIGURE 4

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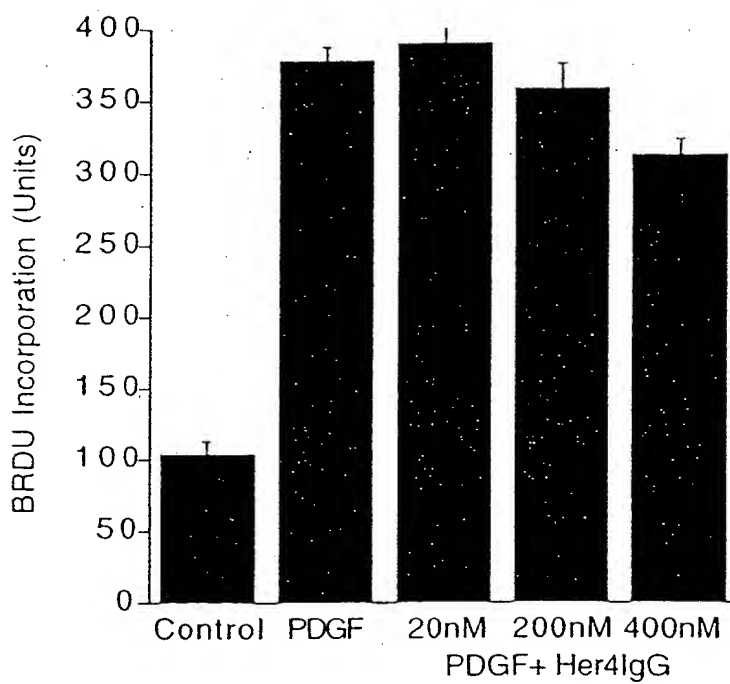


FIG. 5

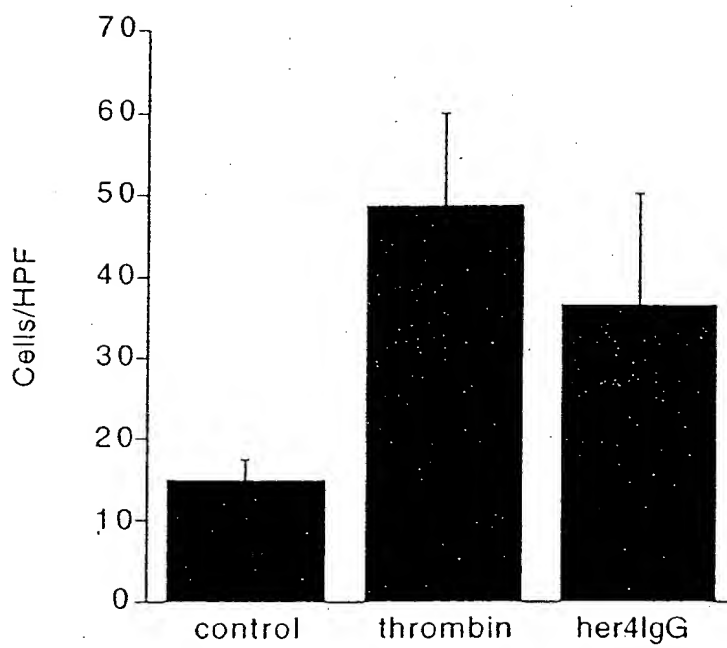


FIG. 6

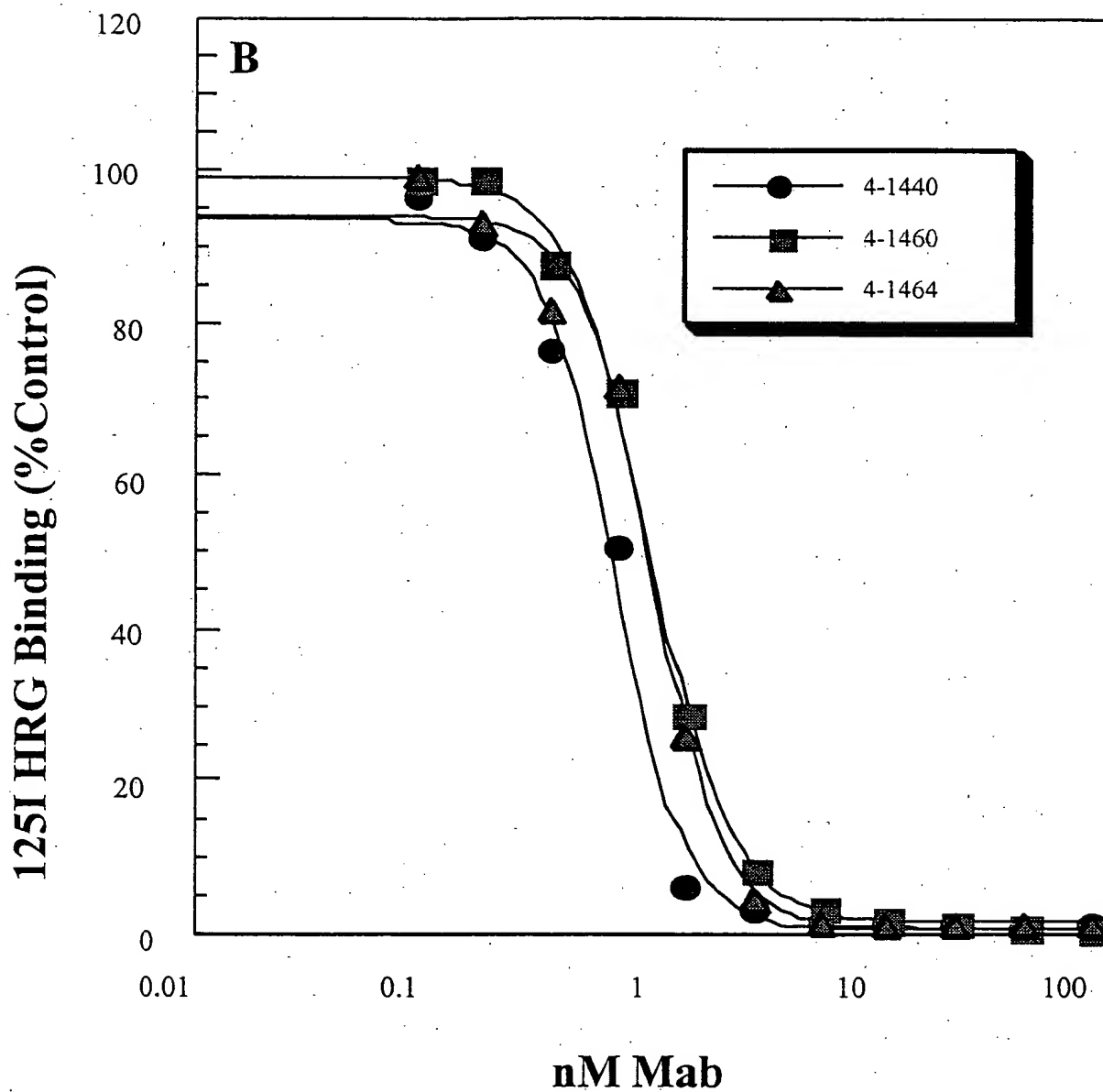


Figure 7



FIGURE 1

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2641 ggagatgaaa aagagtacaa tgctgatgga ggaaagatgc caattaaatg gatggctctg
2701 gagtgtatac attacaggaa attcaccatc cagagtgcg tttggagcta tggagttact
2761 atatgggaac tgatgacctt tggaggaaaa ccctatgatg gaattccaac gcgagaaatc
2821 cctgatttat tagagaaaag agaacgtttg cctcagctc ccatctgcac tattgacgtt
2881 tacatggtca tgggtcaaatg ttggatgatt gatgctgaca gtagacctaa atttaaggaa
2941 ctggctgctg agttttcaag gatggctcga gacctcaaa gatacctagt tattcagggt
3001 gatgatcgta tgaagcttcc cagtccaaat gacagcaagt tctttcagaa tctcttggat
3061 gaagaggatt tggagatat gatggatgct gaggagtact tggccctca ggctttcaac
3121 atcccacctc cctctgcta caccctcatg tcaggaaacc agtttgtata ccgagatgga
3241 ggttttctg ctgaacaagg agtgtctgtg ccctacagag cccaactag cacaattcca
3301 gaagctcctg tggcacagg tgctactgct gagatttttg atgactcctg ctgtaatggc
3361 accctacgca agccagtggc accccatgtc caagaggaca gtagcaccca gaggtacagt
3421 gctgaccca ccgtgtttgc cccagaacgg agcccacgag gagagctgga tgaggaaggt
3481 tacatgactc ctatgcgaga caaacccaaa caagaatacc tgaatccagt ggaggagaac



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3541	cccttttgttt	ctcggagaaa	aaatggagac	cttcaagcat	tggataatcc	cgaatatcac
3601	aatgcatcca	atgggtccacc	caaggccgag	gatgagtatg	tgaatgagcc	actgtacctc
3661	aacacctttg	ccaacacctt	gggaaaagct	gagtacctga	agaacaacat	actgtcaatg
3721	ccagagaagg	ccaagaaagc	gtttgacaac	cctgactact	ggaaccacag	cctgccacct
3781	cggagcaccc	ttcagcaccc	agactacctg	caggagtaca	gcacaaaata	tttttataaa
3841	cagaatgggc	ggatccggcc	tattgtggca	gagaatcctg	aatacctctc	tgagttctcc
3901	ctgaagccag	gcactgtgct	gccgcctcca	ccttacagac	accggaatac	tgtggtgtaa
3961	gctcagttgt	ggtttttttag	gtggagagac	acacctgctc	caatttcccc	acccccctct
4021	ctttctctgg	tggtcttccct	tctaccccaa	ggccagtagt	tttgacactt	cccagtggaa
4081	gatacagaga	tgcaatgata	gttatgtgct	tacctaaact	gaacattaga	gggaaagact
4141	gaaagagaaa	gataggagga	accacaatgt	ttcttcattt	ctctgcatgg	gttggtcagg
4201	agaatgaaac	agctagagaa	ggaccagaaa	atgtaaggca	atgctgccta	ctatcaaact
4261	agctgtcact	ttttttcttt	ttctttttct	ttctttgttt	ctttcttccct	cttctttttt
4321	tttttttttt	taaagcagat	ggttgaaaca	cccattgctat	ctgttcctat	ctgcagggaac
4381	tgatgtgtgc	atatttagca	tccctggaaa	tcataataaa	gtttccatta	gaacaaaaga
4441	ataacatttt	ctataacata	tgatagtgtc	tgaaattgag	aatccagttt	ctttccccag
4501	cagtttctgt	cctagcaagt	aagaatggcc	aactcaactt	tcataattta	aaaatctcca
4561	ttaaagtatt	aactagtaat	tatgttttca	acactttttg	gtttttttca	ttttgttttg
4621	ctotgaccga	ttcctttata	tttgctcccc	tatttttggc	tttaatttct	aattgcaaag
4681	atgtttacat	caaagcttct	tcacagaatt	taagcaagaa	atattttaat	atagtgaat
4741	ggccactact	ttaagtatac	aatcttttaa	ataagaaagg	gaggctaata	tttttcatgc
4801	tatcaaatta	tcttcaccct	catcctttac	atttttcaac	attttttttt	ctccataaat
4861	gacactactt	gataggccgt	tggttgtctg	aagagtagaa	gggaaactaa	gagacagttc
4921	tctgtggttc	aggaaaacta	ctgatacttt	caggggtggc	ccaatgaggg	aatccattga
4981	actggaagaa	acacactgga	ttgggtatgt	ctacctggca	gatactcaga	aatgtagttt
5041	gcacttaagc	tgtaatttta	tttgttcttt	ttctgaactc	cattttggat	tttgaatcaa
5101	gcaatatgga	agcaaccagc	aaattaacta	atttaagtac	atttttaaaa	aaagagctaa
5161	gataaagact	gtggaaatgc	caaaccaagc	aaattaggaa	ccttgcaacg	gatatccagg
5221	actatgatga	gaggccagca	cattatcttc	atatgtcacc	tttgctacgc	aaggaaattt
5281	gttcagttcg	tatacttcgt	aagaagggaat	gcgagtaagg	attggcttga	attccatgga
5341	atttctagta	tgagactatt	tatatgaagt	agaaggtaac	tctttgcaca	taaattggta
5401	taataaaaaag	aaaaacacaa	acattcaaag	cttagggata	ggtccttggg	tcaaaagttg
5461	taaataaatg	tgaacatct	tctc			



FIGURE 2

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MKPATGLWVWVSLVAAGTVQPSDSQSV CAGTENKLSSLS DLEQQYRALRKYYENCEVVMGN
LEITSIEHNRDLSFLRSVREVTGYVLVALNQFRYLPLENLRIIRG TKLYEDRYALAIFLNYR
KDG NFG LQELGLKNLTEILNGGVYVDQNKFLCYADTIHWQDIVRNPWPSNLTLVSTNGSSGC
GRCHK SGTGRCWGPTENHCQTLTRTVCAEQCDGR CYGPYVSDCCHRECAGGCSGPKDTCFA
CMNFND SGACVTQCPQTFVYNPTTFQLEHNFNAKYTYGAF CVKKCPHNFVVDSSSCVRACPS
SKMEVE ENGIKMCKPCTDICPKACDGIGTGSLSAQTVDSSNIDKFINCTKINGNLI FLVTG
IHGDPYNAIEAIDPEKLN VFRTVREITGFLNIQSWPPNMTDFSVFSNLVTIGGRVLYSGLSL
LILKQQGITSLOFQSLKEISAGNIYITDNSNLCYYHTINWTTLFSTINQRIVIRDNRKAENC
TAEGMVCNHLCCSSDGCWGPGPDQCLSCRRFSRGRICIESCNLYDGEFREFENG SICVECDPQ
CEKMEDGLLTCHGPGPDNCTKCSHF KDGPNCVEKCPDGLQGANSFIFKYADPDRECHPCHPN
CTQGCNGPTSHDCIYYPWTGHSTLPQHARTPLIAAGVIGGLFILVIVGLTFAVYVRRKSIKK
KRALRRFLETELVEPLTPSGTAPNQAQLRILKETELKRVKVLGSGAFGT VYKGIWVPEGETV
KIPVAIKILNETTGPKANVEFMDEALIMASMDHPLVRL LGVCLSPTIQLV TQLMPHGCLLE
YVHEHKDNIGS QLLL NWCVQIAKGMMYLEERRLVHRDLAARNVLVKSPNHVKITDFGLARLL
EGDEKEYNADGGKMPIKWMALECIHYRKFTHQSDVWSYGV TIWELMTFGGKPYDGIPTREIP
DLLEKGERLPQPPICTIDVYVMVMVKCWMIDADSRPKFKELAAEF SRMARDPQRYLVIQGDDR
MKLPSPNDSKFFQNL LDEEDLEDMDAEEYLVPQAFNIPPPIYTSRARIDSNRSEIGHSPPP
AYTPMSGNQFVYRDGGFAAEQGVSVPYRAPTSTIPEAPVAQGATAE I FDDSCCNGTLRKPA
PHVQEDSSTQRY SADPTVFAPERSPRGELDEEGYMTPMRD KPKQEYLN PVEENPFVSRRKNG
DLQALDNPEYHNASNGPPKAEDEYVNEPLYLNTFANTLGKAEY LKNNILSMPEKAKKAFDNP
DYWNHSLPPRSTLQHPDYLQEYSTKYFYKQNGRIRPIVAENPEYLSEFSLKPGTVLPPPPYR
HRNTVV



FIGURE 4

QSV CAGTENKLSSLS DLEQQYRALRKYYENCEVVMGNLEITSIEHNRDLSFLRSVREVTGYV
LVALNQFRYLPLENLRIIRGTKLYEDRYALAIIFLNRYRKDGNFGLQELGLKNLTEILNGGVYV
DQNKFLCYADTIHWQDIVRNPWPSNLTLVSTNGSSGCGRCHKSC TGRCWGPTENHCQTLTRT
VCAEQCDGR CYGPYVSDCCHRECAGGCSGPKD TDCFACMNFND SGACVTQCPQTFVYNPTTF
QLEHNFNAKYTYGAF CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIKMCKPCTDICPKACD
GIGTGSLMSAQTV DSSNIDKFINCTKINGNLI FLVTGIHGD PYN AIEAIDPEKLN VFRTVRE
ITGFLNIQSWPPNMTDFSVF SNLVTIGGRVLYSGLSLLILKQQGITS LQFQSLKEISAGNIY
ITDNSNLCYYHTINWTTLFSTINQRIVIRDNRKAENCTAEGMVCNHL CSSDGCWGPGPDQCL
SCRRFSRGRICIESCNLYDGEFREFENG SICVECDPQCEK MEDGLLTCHGPGPDNCTKCSHF
KDGPNCVEKCPDGLQ GANSFIFKYADPDRECHPCHPNCTQGCNGPTSHDCIYYPWTG

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enlarged

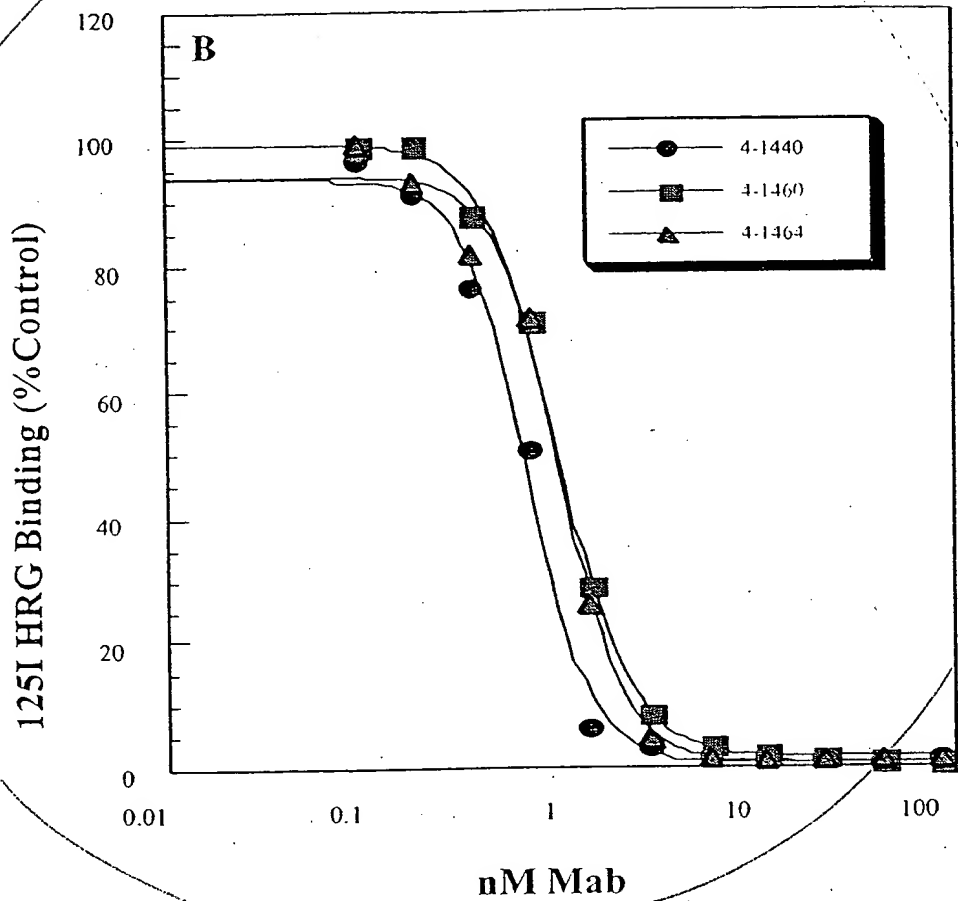


FIG. 7

enlarged